

UNITED STATES
PATENT AND TRADEMARK OFFICE



Patent Public Advisory Committee Quarterly Meeting

IT Update

John Owens II
Chief Information Officer

Debbie Stephens
Associate Commissioner for Patent Information Management

David Landrith
Portfolio Manager, PE2E

Nov 19, 2015

UNITED STATES
PATENT AND TRADEMARK OFFICE

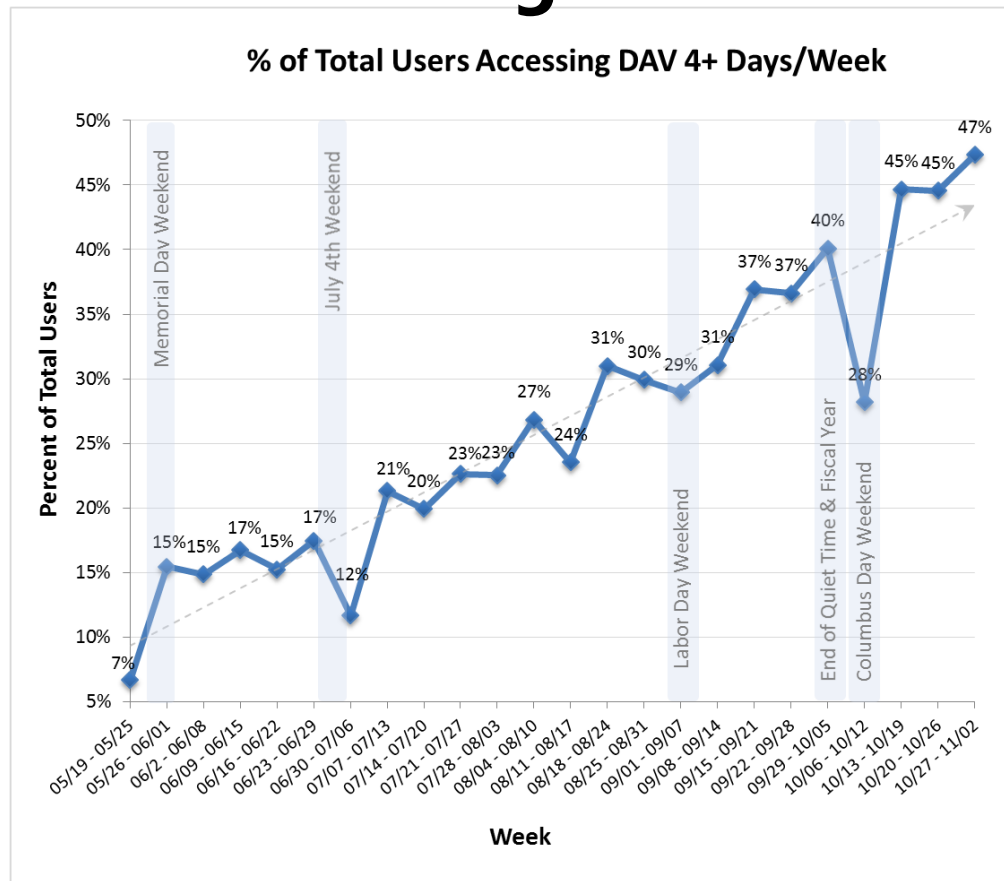


Major PE2E Examination Products

Effort	Description	Release Date
Docket & Application Viewer (DAV)* in Examination Tools & Infrastructure (ET&I) project (replaces eDan)	Case management tool: docket with multiple views; planner to prioritize work; document, claims, application management; IDS viewer, electronic notes	Released Mar 2015 Enhancements release quarterly
Official Correspondence (Office Actions/replaces OACS)	Authoring & workflow solution; integrates with DAV by leveraging notes, references, & dispositions	Production release target Dec 2016 Pilot release Dec 2015
Examiner Search (replaces EAST/WEST)	Modern, scalable enterprise search for Patent Examiners	Production release target Dec 2016 Pilot release Dec 2015
Cooperative Patent Classification (CPC)	Harmonization & modernization of classification jointly managed between USPTO & EPO. Facilitates collaborative maintenance of classification system	Released Jan 2013 Enhancements release July 2015
Central Enterprise Data Repository (CEDR)	Create new operational database to replace PALM that supports PE2E	Incremental releases for critical path items from above efforts

* Docket & Application Viewer is the product created by the Examiner Tools & Infrastructure project

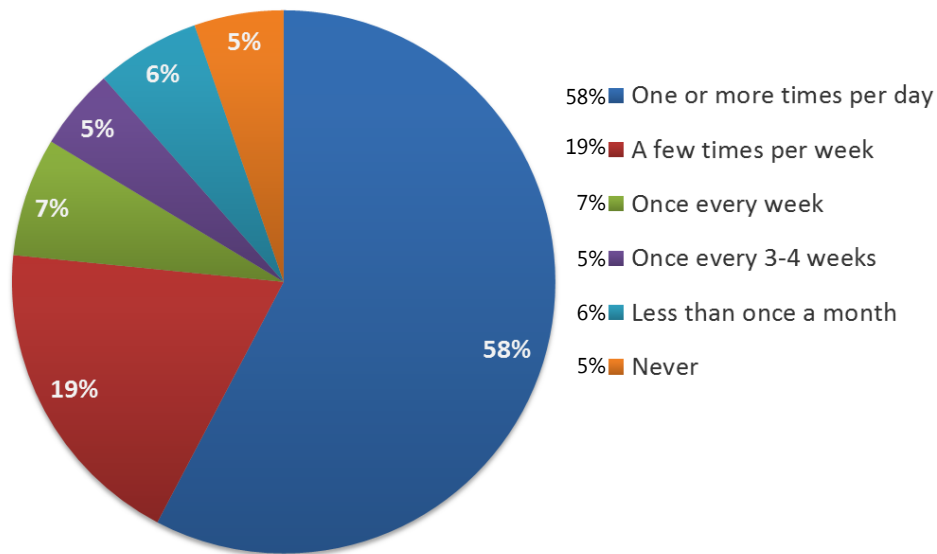
DAV Release Status: Usage over Time



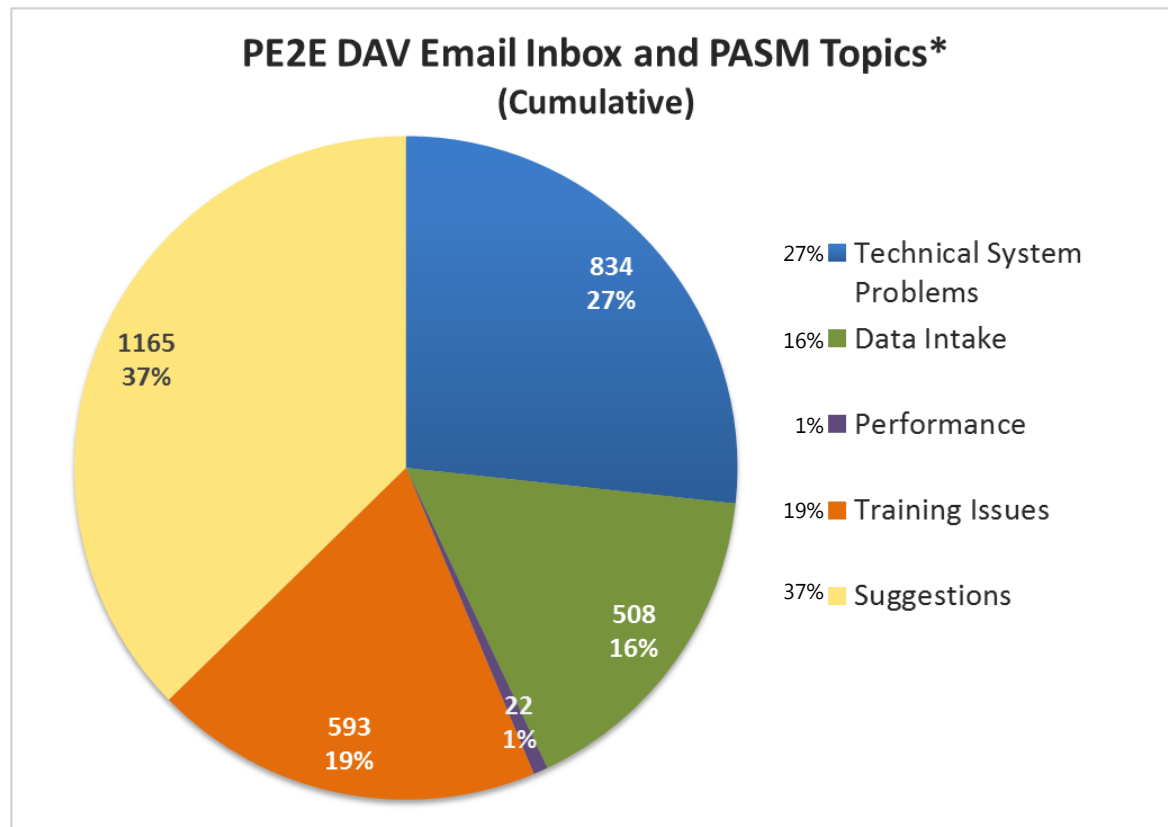
DAV Release Status: User Adoption Survey

Adoption Survey Self-Reported DAV Usage Response:

"How often do you utilize PE2E Docket and Application Viewer (DAV) to examine applications docketed to you?"

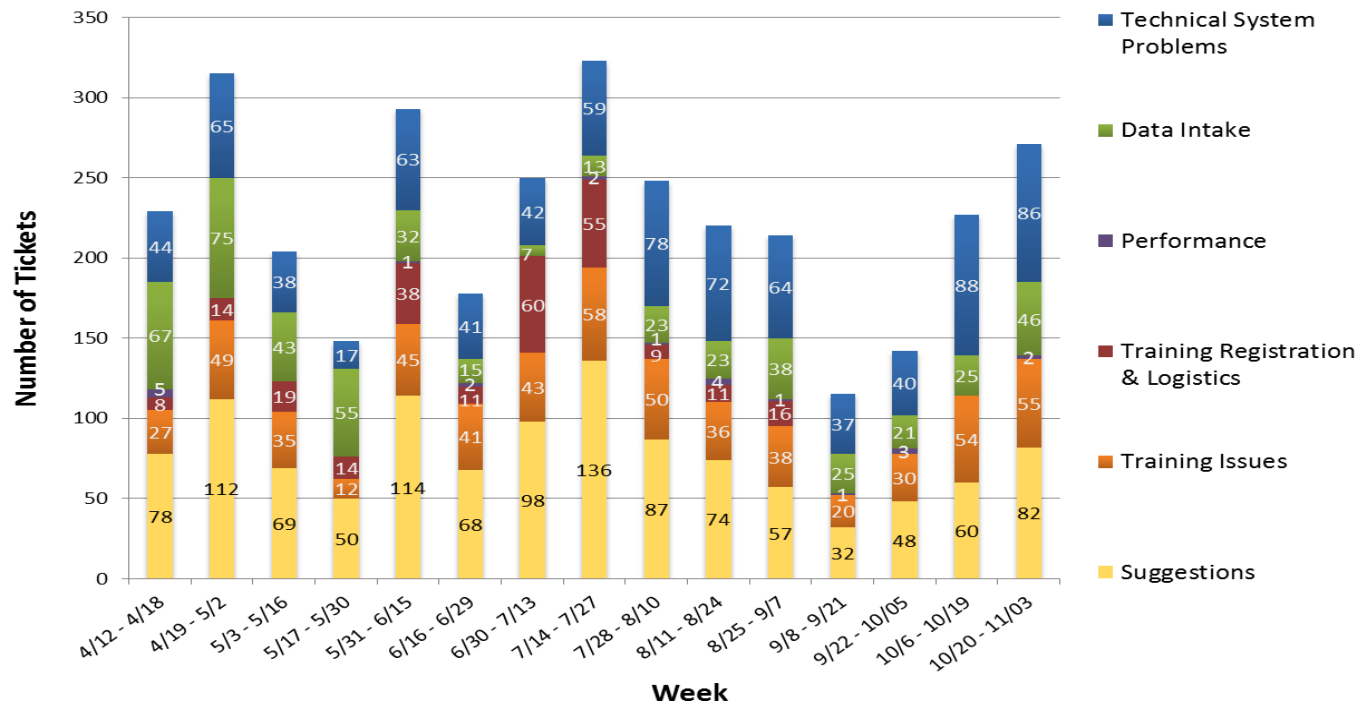


DAV Release Status: User Support Issues



DAV Release Status: Support Issues - Trend

Total PE2E DAV Email Inbox and PASM Tickets
(Bi-Weekly)



PE2E Key Release: Examiner Search

Status

- Apr 2015: Development resumed on existing UI and technology based on same software used in GPSN and Assignments on the Web
- Apr 2015: Completed study on USPTO approach; validated current toolset
- Nov 2015: First alpha release completed, including all search collections (USPat, PGPub, IBM_TDB, USOCR, EPO, JPO, FPRS, Derwent), totaling 119M documents & 41TB of data

Next Steps

- Mar 2016: Pilot release focusing on performance, 508 compliance, and legacy feature parity
- Dec 2016: Release to Examination Corps

PE2E Key Release: Official Correspondence

Status

- Apr 2015: Completed 1st workflow prototype
- Apr 2015: Completed selection & validation of toolset, including MS Word 2013 based authoring tool

Next Steps

- Nov 2015: first pilot release (delayed from Sep 2015)
- Dec 2015, Jan 2016: Office 2013 release in USPTO resolves key dependency
- Dec 2016: Release to Examination Corps

PE2E Key Release: Content Management System

Consolidates multiple content repositories into single, modern, highly available solution to reduce duplication & support distributed deployment to decrease downtime

Status

- Oct 2014: Completed code for migrating data to the CMS. Successfully tested migration of approx 4TB of IFW images into the new CMS non-production environment
- Nov 2015: 75TB of IFW data migrated; awaiting green light to turn on Patent Corps access
- Dec 2015: All IFW data will be available to the Patent Corps in the CMS (approx 120 TB)

Next Steps

- Support migration of data from other legacy repositories

PE2E Key Release: Data for PE2E

Converts images to structured text (XML) that Examiners can use with analytical tools

Status

- Jun 2015: Approx 164M pages of Claims, Specifications, Abstracts, Remarks, Information Disclosure Statements, Petitions, and Appeal Briefs have been converted from image and are available to the Examiners in structured text
- Sept 2015: Approx 180M pages of Claims, Specifications, Abstracts, Remarks, Information Disclosure Statements, Petitions, and Appeal Briefs converted and available to examiners. Added on-demand Optical Character Recognition & supporting user interface, improved handling of strike-through and underline

PE2E Key Release: Global Dossier

Public Access to Foreign Application Dossiers (GD-PAD)

Provide published US application dossier documents via web services for consumption by foreign IP Offices and a public-facing USPTO website to access foreign IP Office application documents

Status

- Jun 2015: Enabled web services for published US application documents for consumption by authorized IP5 Office public web pages

Next Steps

- Nov 2015: Launch USPTO Web Pages that offer IP community access to foreign IP Office published application documents



PE2E Key Release: CPC Database

Enhance the Classification Allocation Tool (CAT) to support CPC Reclassification projects and create RESTful style classification web services for use by external legacy applications (replacing CDS services), and Next Gen applications - DAV and Enterprise Search Tools (EST)

Status

- Jul 2015: Classification Picture and Re-Class Project Manager Tool enhancements for Patent Examiners and Quality Nominee Directory management for authorized users.
- Oct 2015: USPC to CPC concordance for examiners, cross-checking of contractor-assigned CPC allocations, and CAT-style user interface for Production Data Control System (PDCS).

Next Steps

- Feb 2016: Implement additional features for future CDS retirement; improve Business Continuity & Disaster Recovery; additional enhancements



PE2E Key Release: CPC IP Office Collaboration Tools

Work with EPO to select and adapt web-based collaboration tools plus make required network and/or application changes. Provide examiners a message board-like environment to discuss classification issues and recommend revision projects.

Status

- Aug 2015: Create shared development environment with the EPO; delivered Scheme Navigator tool to support reclassification and revision activities
- Nov 2015: Enhanced Scheme Navigator; implemented Definitions Editor, implement federated identity management solution

Next Steps

- Feb 2016: Enhance Scheme Navigator and Definitions Editor



Key Release: Assignments on the Web

New assignment search tool offering expanded search functionality and more searchable fields, based on PE2E technology.

Available to public at <http://assignment.uspto.gov/>

Status

- Dec 2014: Initial deployment
- Jan 2015: Tooltip and FAQ updates and some bug fixes
- Fall 2015: Quick lookup of property numbers and Reel/Frame numbers, assignment document images, printing improvements, data export, additional User Interface improvements
- Late 2015: Trademark assignments



Key Release: Hague & Patent Law Treaty

Hague Agreement (HA) is an international registration system which offers the possibility of obtaining protection for industrial designs in a number of member countries and intergovernmental organizations by means of a single international application.

Status

- May 2015: Deployed & went active on all dependent systems (EFS Web, EAI Hub, PALM Expo, SCORE, eDan, PALM SG, PALM Pre-exam)
- Aug 2015: Deployed web-based 85B form for EFS Web and PALM ExPO

Next Steps

- Nov 2015: Implement deferred requirements, fix defects (SCORE, PALM Pre-Exam, & PALM ExPO)
- Dec 2015: Implement Web-ADS for EFS Web and remaining AIA Requirements.

Key Releases: AIA

AIA transitions U.S. from first-to-invent system to first-inventor-to-file systems which impacts daily examination process.

- **Status**
 - May 2015: eDAN, PALM Pre-Exam and PALM SG releases
- **Next Steps**
 - Dec 2015: EFS-Web, PALM Pre-Exam (follow-up), and SCORE releases

Plans for Future Work – PALM Replacement

Patent Application Lifecycle Management Replacement (PALM-R)

PALM is the core Patents operational database and supporting applications. It supports prosecution, tracking and monitoring of both Patents and Patent Cooperation Treaty (PCT) applications through their end-to-end life cycle.

- Replacement of PALM services will begin under Legacy Portfolio to compliment PE2E deployments of DAV, Search and Office Action Authoring Tools.
- Replacement of PALM will transition into PE2E Portfolio for Data and User Interface Development.
- Investment was approved by the ITIRB/CRB on July 22, 2015

Questions and Comments

John Owens II

Chief Information Officer

(571) 272-9400

John.Owens@USPTO.GOV

Debbie Stephens

Associate Commissioner for Patent Information Management

(571) 272-5450

Deborah.Stephens@USPTO.GOV

David Landrith

PE2E Portfolio Manager

(571) 272-8947

David.Landrith@USPTO.GOV



